

SWING DOOR DRIVE UNIT

GILGEN FD 20-F



This high-performance, fire-safety certified drive system offers both ease of operation in daily use and tough protection in the event of a fire, with a safe emergency exit and reliable rescue access likewise guaranteed.

- Compatible with single/two-leaf doors and interlock accesses
- The integrated load function can withstand winds of up to 80 km/h
- Built-in mechanical closing sequence regulator for two-leaf doors
- Easy to reset (on the side cover) after a fire alarm
- Fire-alarm LED display integrated into the side cover
- Reliable fire detection integrated into the drive system
- Test-approved "inverse" power-down opening function to let smoke escape and act as an emergency exit
- Terminals for connecting accessories such as locks, security/safety elements or operating controls
- Fire-safety certified (DIBt, CNPP, BS EN 1634-1, EN 1158, DIN 18263-4,...)
- TÜV approved and complies with the pertinent standards and requirements (e.g. EN 16005, DIN 18650)

Range of application

| | |
|-------------------------------|-------------------|
| Max. door leaf weight | 250 kg |
| Door sizes single-leaf EN 3-6 | 750 – 1400mm |
| Door sizes two-leaf EN 3-6 | 1500 – 2800mm |
| Max. opening angle | 105° |
| Max. wind speed | 80 km/h (320 Pa)* |

*depending on door size and type of rod

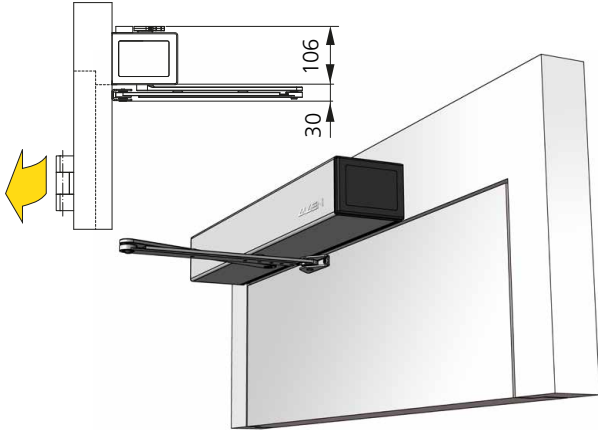
Dimensions of drive system

| | |
|--------|--------|
| Height | 95 mm |
| Width | 690 mm |
| Depth | 120 mm |

Possible applications

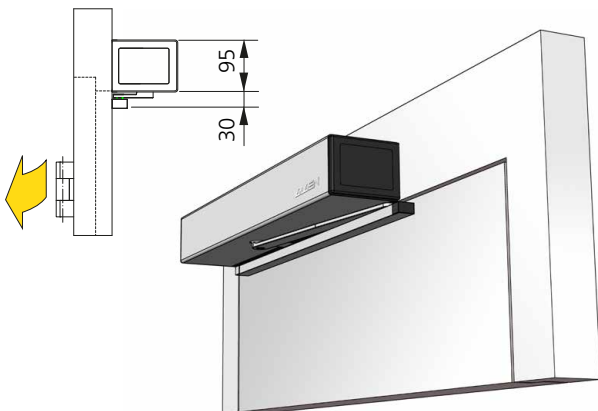
Standard rods with pushing function

Lintel installation



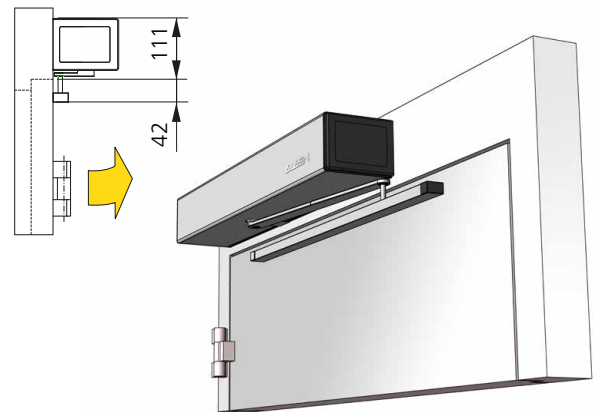
Sliding rods with pushing function

Lintel installation



Sliding rods with pulling function

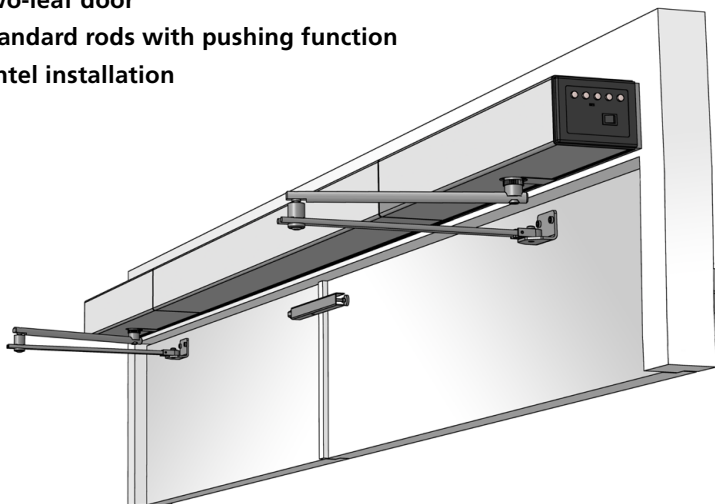
Lintel installation



Two-leaf door

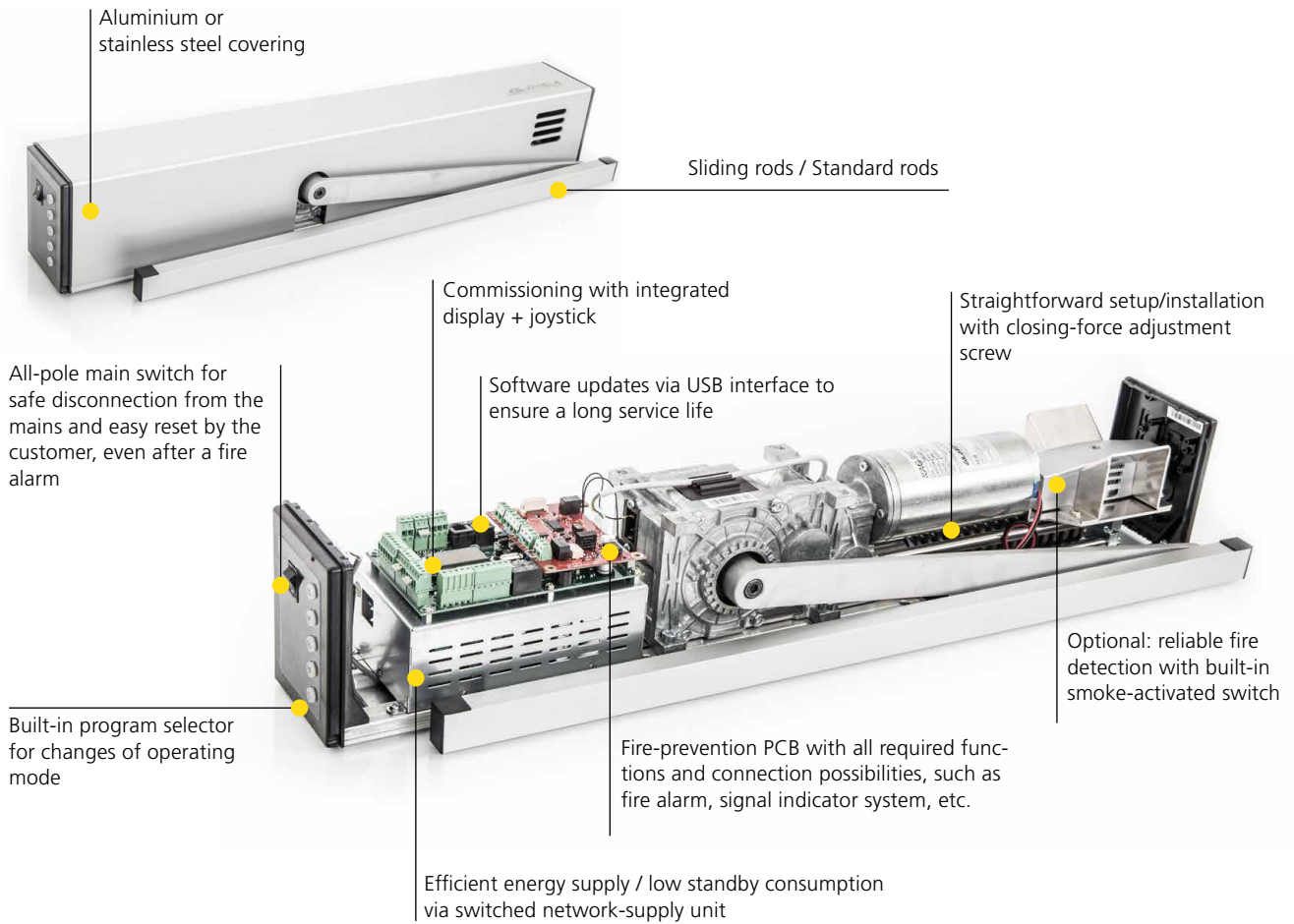
Standard rods with pushing function

Lintel installation



- Mechanical closing sequence regulator and smoke detector concealed inside the drive system
- "Smart logic" mechanical system ensures a smooth closing sequence
- Compatible with all installation and rod variants

Technical data



| | |
|-----------------------------------|---|
| Power transfer | Standard rods (pushing function) Sliding rods (pushing and pulling function) |
| Weight of drive system | 10.5 kg |
| Protection rating | IP 40 (42) |
| Ambient temperature | -15 to +50 °C |
| Operating voltage | 230 VAC (+10/-15 %), 50 Hz, 10/13 A |
| Power consumption of drive system | max 560 W |
| Rated motor capacity | 100 W |
| Stand-by consumption | 4 W |
| Power supply, external user | 24 VDC (±10 %), 2 A |
| Lintel depth standard rods | max. 240 mm |
| Lintel depth sliding rods | -30 / + 30 (190) mm |
| Opening speed | max. 40°/s |
| Closing speed | max. 40°/s |
| Relative humidity | max. 85 % |
| Output shaft torque | permanent max. 80 Nm short max. 240 Nm |

Additional components for automatic fire-safety swing doors

